

Pressurized Line Leak Detection Test Reporting Requirements for the Gilbarco ATG System

BUREAU OF WEIGHTS & MEASURES

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RESOURCES

More information on applicable Wisconsin laws can be found at these links:

Wis. Admin. Code § ATCP 93.510

https://docs.legis.wisconsin. gov/code/admin_code/atcp/ 090/93/V/510

Wis. Admin Code § ATCP 93.515

https://docs.legis.wisconsin. gov/code/admin_code/atcp/ 090/93/V/515

Materials Approval Page

https://datcp.wi.gov/Pages/ Programs_Services/Materia IApprovalsLeakDetection.as

Gilbarco

http://www.gilbarco.com/us/

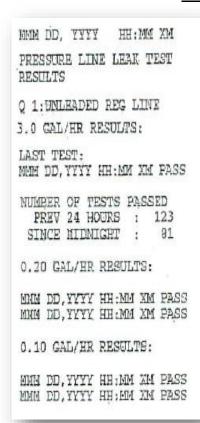
Approval #20020005R1 https://datcp.wi.gov/Documents/ER-BST-MA-20020005R1.pdf

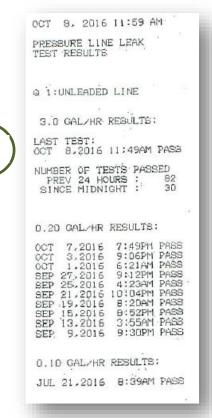
When to submit your test results

- When renewing your annual Permit-to-Operate the owner/operator must supply
 the department with <u>passing</u> test reports of the 3 most current consecutive
 months of testing, and each test must be 28-32 days apart. For example, if
 your first test was June 1, the second test must be July 1, and the third test
 must be on August 1.
- When an inspection is conducted by the State of Wisconsin, at least 12 months of test reports must be available for review by a state inspector.
- Below are test examples of the pressurized line leak detection printout for the Gilbarco ATG System. You are required to submit the test report when renewing your annual permit to operate. You will need to know which test report you system will print depending on how your service company programmed your monitor.

PLLD Test Results

or





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WPPLD Test Results

08-03-15 5:45 WPLLD LINE LEAK TEST RESULTS W 1:UNLEADED PIPING 3.0 GAL/HR RESULTS: LAST TEST: 08-03-15 4:33 PASS NUMBER OF TESTS PASSED PREV 24 HOURS : SINCE MIDNIGHT : 0.20 GAL/HR RESULTS: 08-03-15 1:15 PASS 08-03-15 1:15 PASS 07-31-15 4:40 PASS 07-27-15 3:55 PASS 07-23-15 6:28 PASS 07-19-15 23:40 PASS 07-17-15 3:40 PASS 07-13-15 9:30 PASS 07-09-15 7:57 PASS 07-09-15 7:57 PASS 07-05-15 19:55 PASS 07-01-15 19:06 PASS 0.10 GAL/HR RESULTS: 07-09-15 8:45 PASS 01-07-15 2:20 PASS

If you have questions about how your Franklin Fueling Management ATG system works please contact your service company or <u>Gilbarco</u> directly. You can also find further information about your specific leak detection equipment on the materials approval page of our <u>website</u>. The Gilbarco material approval number is <u>20020005R1</u>.

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Leak detection FAQs:

What is leak detection?

"Leak Detection" means determining whether a discharge of regulated substance has occurred from a storage tank system into the environment or into the space between the tank and its secondary barrier or containment.

What is "ATG"?

"Automatic Tank Gauging" (ATG) or "Automatic Leak Detection" means a leak detection or monitoring system that will provide continuous 24-hour monitoring for the detection of a release or leak of vapor or product and will immediately communicate the detection of the release or leak to an electronic signaling device.

What is Pressurized Line Leak Detection Monitoring

<u>Wisconsin Administrative Code §§ ATCP 93.510</u> and <u>93.515</u> require all new and existing underground tank piping systems which store regulated substances to be provided with a method of leak detection. One of the acceptable methods of leak detection is pressurized line leak detection (LLD) testing.

Pressurized line leak detectors operate during idle periods by independently pressurizing the pipeline system, then isolating the system from the pump and monitoring the pressure drop. The pressure drop is measured for several pressurization cycles. When the leak detection system determines that thermal effects have been sufficiently reduced, it compares the final pressure drop with a preset limit. If the pressure drop exceeds that limit, a leak is declared.

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